



# CALL FOR PAPERS

**ICABS 2021**  
**Aug 05-06, 2021**  
**Vancouver, Canada**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICABS 2021 : International Conference on Advanced Battery Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Battery Systems. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Battery systems

Advanced battery systems

Battery ageing (experimental investigations, modelling, lifetime prediction, etc.)

Battery modelling (electrical, thermal, performance, lifetime, parameterization, etc.)

Parameterization: impedance and physico-chemical approaches

Battery diagnostics (SOC, aging, performance, etc.)

Battery management: cell balancing, charge and thermal management, etc.)

Test procedures and results from field and laboratory tests on

lifetime, performance and safety

Reliability of different battery pack designs

Storage systems for grid

stabilization, self-consumption

from PV systems, power supply for fast charging, teaming-up several

services to one system, etc.

Second life / second use concepts, long-term storage of batteries

Field experience, operational strategies, lifetime, sizing tools, etc.

Vehicle to grid (PHEV and EV as grid elements)

Hardware challenges beyond the battery system

Production and recycling of battery systems and cells

Machinery and procedures for battery and cell manufacturing

Battery system production process design

Optimized battery pack design

Battery recycling systems and technologies

Scenarios for battery costs, production capacities, markets